



Winter Storm Expected

February 21, 2023
1:00 PM

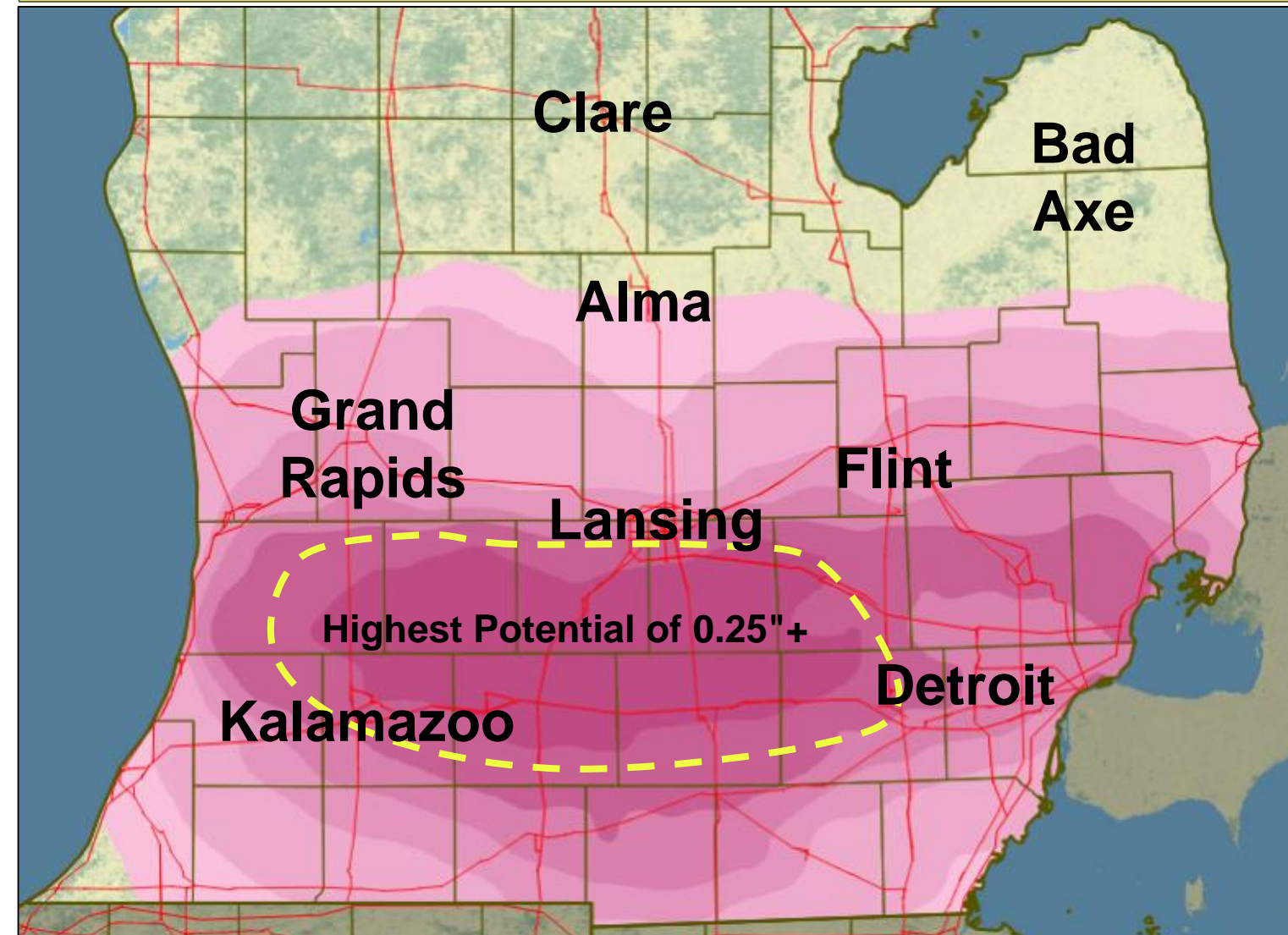
Wednesday, February 22 - Thursday, February 23, 2023

- Travel Impacts Expected Across Lower Michigan
- Power Outages Possible with Gusty Winds, Ice
- Freezing Rain/Ice near and south of I-96
- Sleet accumulations near/along I-96
- Snow north of I-96



The greatest impact will be icing that develops on trees and power lines.

Area With Greatest Chance for Impactful Ice Accumulation



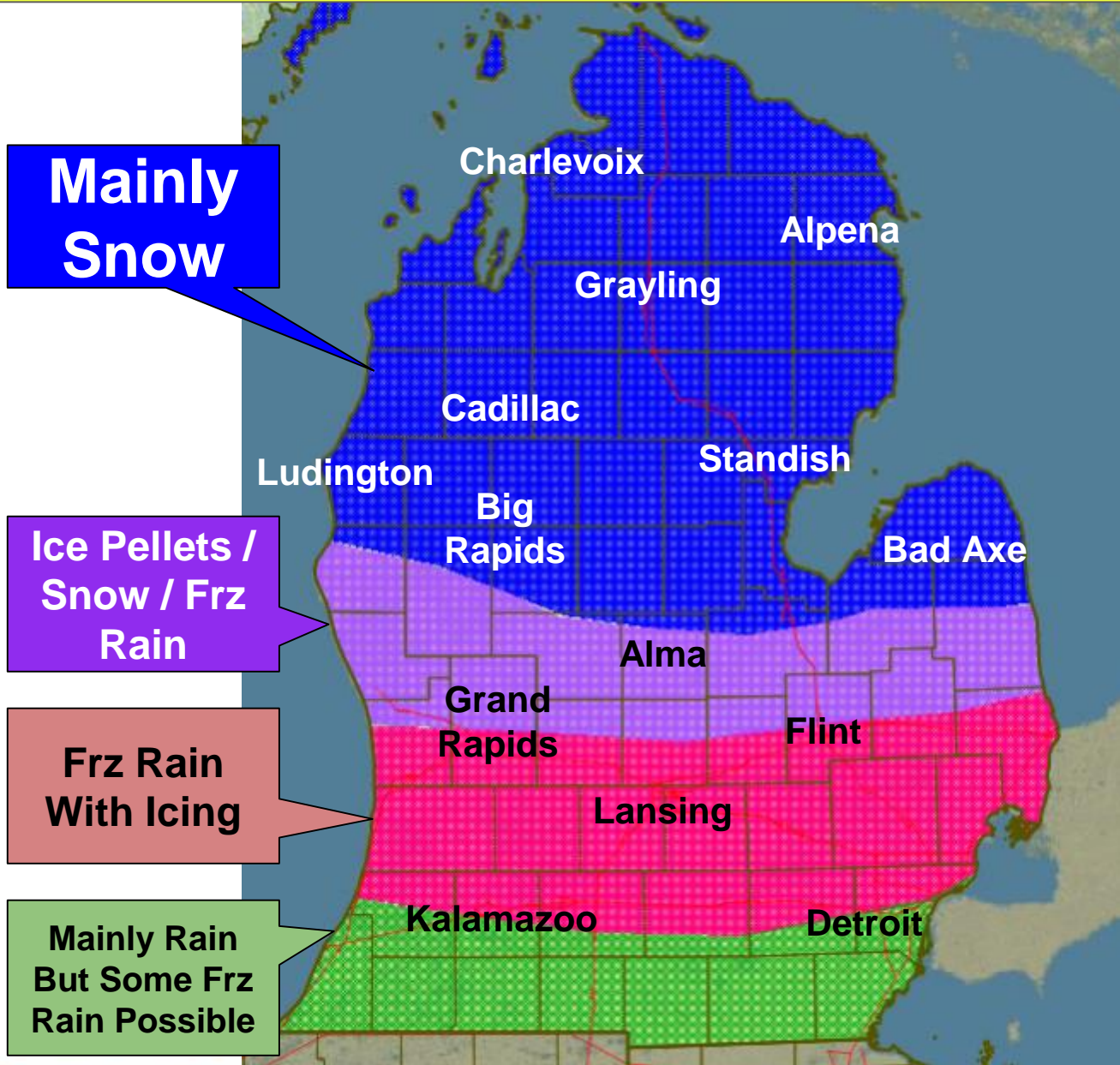


Expected Dominant Precipitation Types

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Dominant Areal Precipitation Type Layout



These areas could shift a county or so north or south from the current forecast. This would impact snow, sleet, and freezing rain accumulations and impacts.

Timing of heaviest precipitation rates:
12pm Wednesday - 10pm Wednesday





Probability of Exceeding 0.25" of Ice

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What

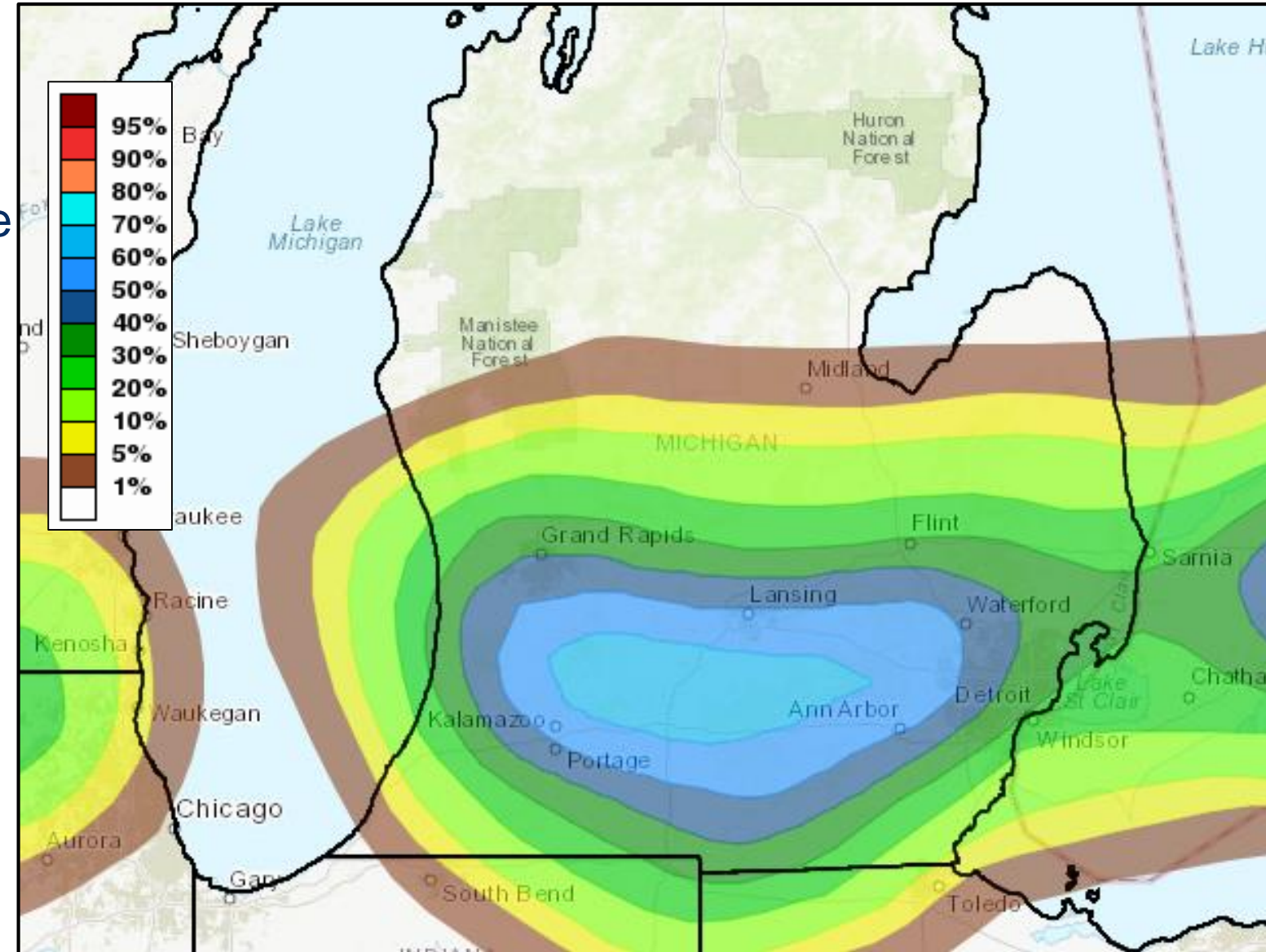
- Icing Due to Freezing Rain
- Hazardous Travel Likely, Power Outages Possible Especially Near/South of I-96
- The hardest hit locations may get > 0.50" of ice

Where

- Heaviest Between I-96/I-69 Corridor and I-94 Corridor

When

- Wednesday Afternoon - Thursday Morning
- Worst Conditions Expected Late Wednesday





Forecast Snow Amounts

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What

- Accumulating Snow & Blowing Snow
- Snow Amounts of 6"-12" Possible

Where

- Heaviest Near and North of M-46

When

- 9 PM Tonight - Thursday Morning
- Worst Conditions Expected Late Wednesday

Area With Greatest Chance for Heavy Accumulating Snow





Strong Winds Late Wednesday & Thursday

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Wednesday Night

Wind from the East Northeast 20 MPH gusting to 45 MPH

Thursday Afternoon Winds

Wind from Northwest 25 MPH gusting 35-50 MPH



Power Outages Possible, Wind May Hamper Restoration

Chance Winds are Greater than 40 mph



Low

Medium

High

Chance Winds are Greater than 50 mph

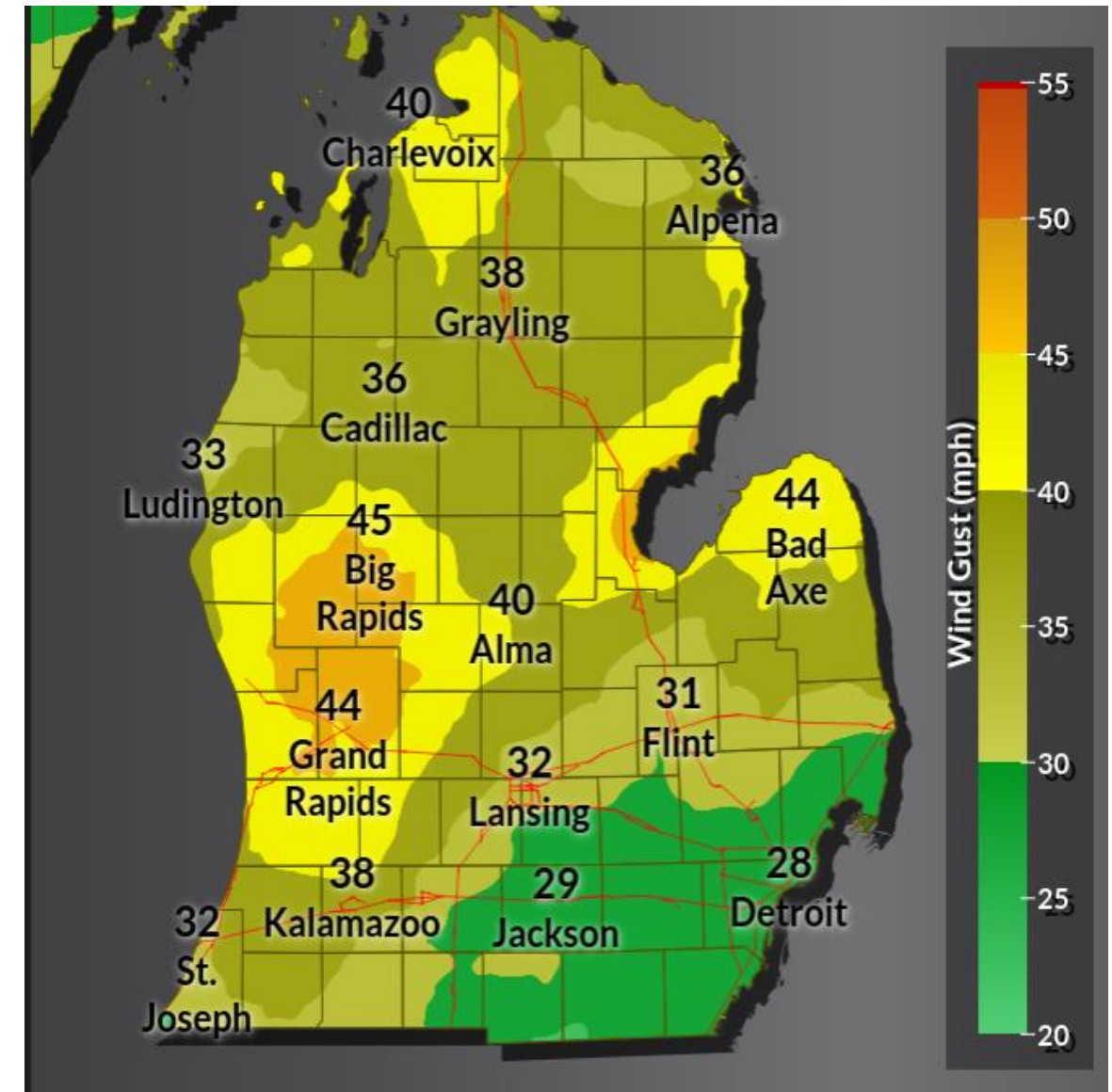


Low

Medium

High

Max Wind Gust Wednesday



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service



Coldest Wind Chills

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What

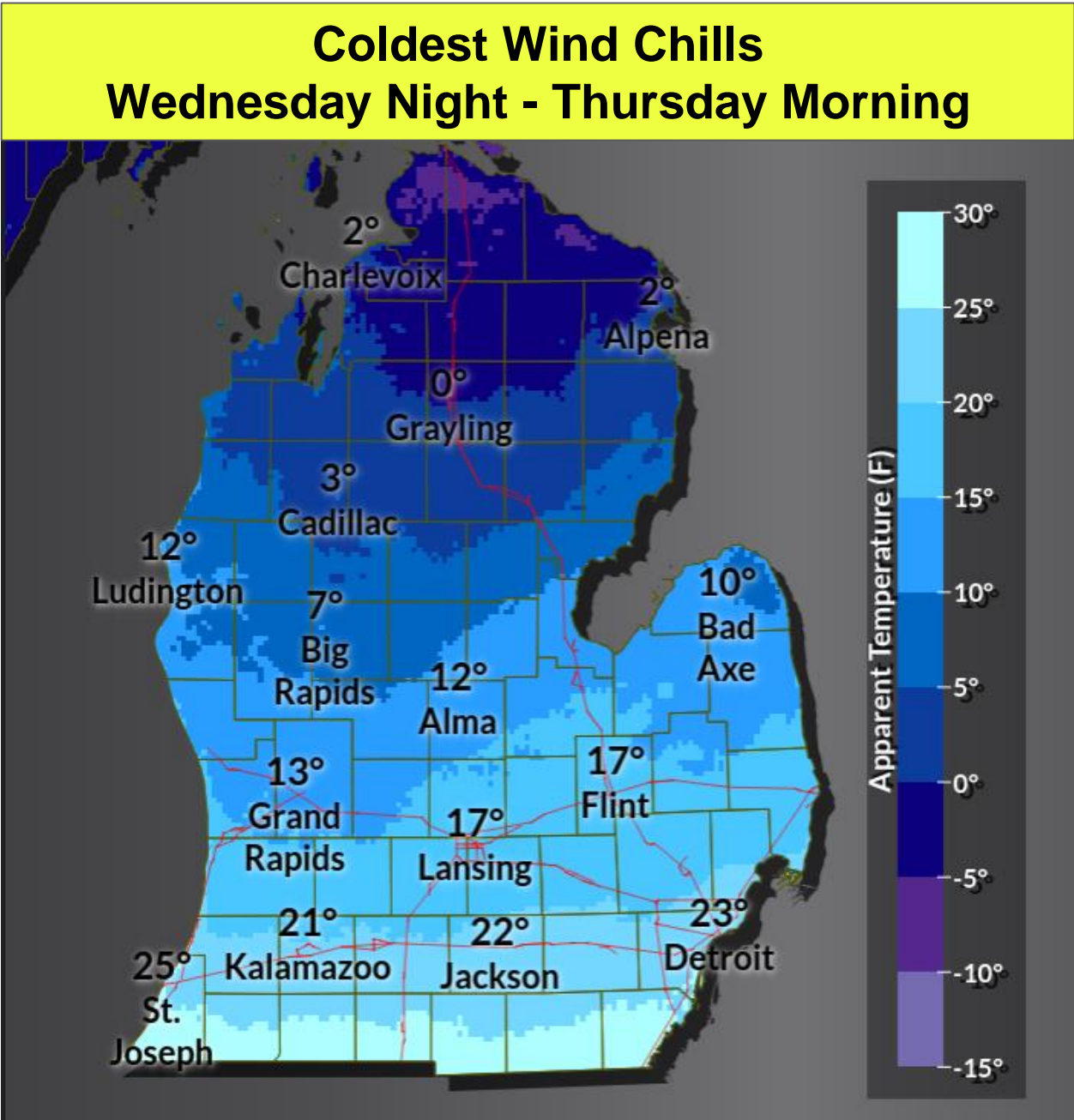
- Single Digit Wind Chills
- Wind from the ENE at 20 MPH gusting to 45 MPH

Where

- Coldest North of I-96
- Strongest Winds Along and North of I-96 Corridor

When

- 9 PM Wednesday - 7 AM Thursday





How the Impacts/Forecast Could Change

Wednesday, February 22 - Thursday, February 23, 2023

Location of the main area of freezing rain/sleet could still shift

- More freezing rain = increased risk for power outages + travel impacts
- Data currently suggests the heaviest icing will fall between I-94 and I-96
- All depends on how far south below freezing temperatures get

The longer it sleets, typically means the less freezing rain there will be

- More sleet = Mostly travel impacts
- The zone of heaviest sleet may extend from Grand Rapids to Lansing and Flint
- This zone may be fairly narrow and difficult to pin down at this time

Precipitation Could Change over to Rain Across Far Southern Lower MI

- There is a possibility that temperatures stay above freezing near/south of I-94
- This would lead to less of a risk for ice and a quicker changeover to rain



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Weather After the Storm

Thursday, February 23 - Sunday, February 26, 2023

Thursday

- Warmer temperatures should melt ice during the day. Highs could reach the 50s south of I-96.
- Power outage restoration could be hampered by winds late Thursday
 - Wind Gusts of 35–50 mph gusts expected
- Low Temperatures Thursday Night will be 0° to 20°

Friday through Sunday

- Highs Friday from Teens (Northern Lower) to 20s (Southern Lower)
- Temperatures Warming into the Upper 20s to Mid 30s Saturday, Then Mid to Upper 30s Sunday
- Some Snow Showers Possible with Very Light Accumulations

Next Briefing: Webinar will be conducted at 1pm, Wednesday, February 22